

For cities and towns implementing an energy management initiative, having access to detailed information about the agency's energy consumption is essential to a successful plan. This information is useful and necessary for many purposes, including tracking spending against budget, assessing building operations, benchmarking, procuring energy supply and energy efficiency services, and preparing mandatory year-end reports.

Unfortunately, numerous barriers prevent cities and towns from gaining access to, and making effective use of, detailed energy information. For public agencies, the primary source of energy usage information is their utility bills, which convey only a portion of information about energy consumption. Limitations of using utility bills to monitor energy use include:

- ❖ Lack of readily available analytical connection between utility bills, building performance, and occupant energy and water use.
- ❖ Time-intensive, costly labor needed to manually input utility bill information into existing analytical software.
- ❖ Limited access to utility bills by the agency personnel responsible for energy management and building performance.

The Department of Energy Resources (DOER) Energy Information Reporting System (EIS) provides access to comprehensive, up-to-date energy usage and cost information a public agency needs to support analysis, procurement, and decision-making. The energy usage information and building information is used to benchmark consumption and identify priority targets for efficiency investments, develop baseline data for performance contracting procurements, measure results, monitor and verify performance, identify deviations from performance expectations for prompt response, develop emissions inventory, and track and report emission reductions.

FEATURES INCLUDE:

Feature	Benefit
Electronic download of utility data	Can eliminate the need for manual data entry and reduce cost and speed
Point and click access	Delivers information in the form users need and can use
Standard and custom reporting	Calculate usage and cost per: department, building, square foot, emissions reduction, and other metrics
Integration of utility billing and usage data with building and energy end-use information	Connects utility bills to building performance
Automated report generation and distribution	Allows easy, simultaneous sharing of energy information with all stakeholders in energy management



FIVE STEPS:

Step	
Collect information	Building information: address, square foot, number of units, end-uses Usage information: electricity, gas, oil, water
Match information	Match building data to usage information
Analyze information square foot, emissions reduction, etc.	Calculate usage and cost per: department, building,
Report information	To all stakeholders: budget director, department heads, facility managers, maintenance, accounting
Update information	Update energy usage information automatically

REPORTS:

Report	
Usage and cost	Per building, per department, or for the city or state as a whole
Comparisons	Over time Between departments, buildings, and other subcategories
Performance against budget	Report cost per unit
Greenhouse gas emissions	Reductions of emissions related to energy conservation
Baseline usage for performance contracting	Provide information necessary for bidding
Monitoring performance of energy efficiency investments	Report changes in energy use and cost
Energy savings over time	Report amount of energy savings related to efforts

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